

THIRD-ORDER LEVELING
NATIONAL GEODETIC VERTICAL DATUM OF 1929

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

37-084-14

VALLEY VIEW QUADRANGLE

144 KENTUCKY

N3745-W8415/15

DIAGRAM NJ 16-9

WINCHESTER

Clark, Fayette, Jessamine, and
Madison Counties'

Final adjustment of 1952

Edition of 1/3/77

PR: WSM/mid

LEXINGTON
(167)

NICHOLASVILLE
(145)

WINCHESTER
(143)

BEREA
(120)

37°45'

84°15'

NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 370841

* Tied to Ky. Geodetic Survey

144 KENTUCKY
VALLEY VIEW QUADRANGLE

37-084-14
N3745-W8415/15

INDEX OF PERMANENT MARKS

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30 WR 682 1950	3	216	5
31 WR 618 1950	3		
32 WR 568 1950	3	NGS	
33 WR 994 1950	3		
34 WR 985 1950	3, 5	C 39 1935	6
36 WR 964 1950	4		
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TT 27 EV 938 1950	4		
TT 28 EV 911 1950	4		
33 ADP 1950 966	5		
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	<u>LINE 1.</u>	<u>Feet</u>
By W. N. Runnels, 1950; Book AV 152		
Richmond, 4.7 mi W. of, along State Highway 169; 1.3 mi SE. of Million; at junction of T-rd. S.; in NE. end of concrete bridge curbing; standard tablet stamped "29 WR 760 1950"		759.542
Reference mark; 49 ft SW. of tablet; in SW. end of concrete bridge; chiseled square		759.37
Million, 1.9 mi NW. of, along State Highway 169; 2.0 mi SE. of Stringtown; 40 ft S. and 15 ft W. of junction of rd. to Baldwin; 37 ft S. of SE. corner of steel bridge over Tates Creek; in W. concrete headwall of culvert; standard tablet stamped "30 WR 682 1950"		681.505
Reference mark; 59 ft W. of tablet; N. end of E. abutment of steel girder bridge; chiseled square		676.67
Stringtown, 40 ft N. of NW. corner of Osker Witt Grocery Store; 20 ft N. of center of hwy.; 1 ft N. of fenceline; in concrete post; standard tablet stamped "31 WR 618 1950"		617.761
Reference mark; 133 ft SE. of tablet; S. end of W. abutment of small bridge; chiseled square		613.35
Valley View, in NW. corner of Valley View Christian Churchyard; 60 ft W. of center of church steps; 20 ft S. of center of hwy.; 7 ft W. of 36-in. maple tree; in concrete post; standard tablet stamped "32 WR 568 1950"		568.183
Reference mark; 57 ft E. of tablet; in first concrete porch step of church; chiseled square		568.15
Spears; 84 ft SW. of SW. corner of Methodist Church; 25 ft E. of center of hwy.; 27 ft N. of SW. corner of churchyard and corner fence post; in concrete post; standard tablet stamped "33 WR 994 1950"		993.809
Reference mark; 73 ft N. of tablet; in SE. corner of concrete walk to church; chiseled square		995.83
Spears, 2.3 mi NW. of, along state Highway 169; 35 ft NW. of junction of rd. leading to Legana; 45 ft NW. of NW. corner of farmhouse; 20 ft SE. of power line junction pole; 3 ft SW. of fence; in concrete post; standard tablet stamped "34 WR 985 1950"		984.697

LINE 1 (Cont'd)

Reference mark; 50 ft N. of tablet; in root on E. side of 14-in elm tree; copper nail 983.95

/Jogs into Nicholasville quadrangle/

U.E., Spears; at steel girder bridge over Hickman Creek; on E. end of N. abutment; chiseled square 861.36

/Jogs into Nicholasville quadrangle/

Nicholasville, 3.5 mi NE. of, along State Highway 169, thence 2.5 mi NE.; 300 ft N. of residence of Mr. McConathy; at curve in rd.; 20 ft N. of large elm tree; 3 ft E. of W. right-of-way fence; in concrete post; NGS and State Survey standard disk stamped "125 1934" 968.141

LINE 2.

By W. N. Runnels, 1950; Book AV 152

Becknerville, 1.9 mi SE. of, along Water Works Road from general store; 2.0 mi NW. of Forest Grove; 15 ft N. of center of rd.; 12 ft E. of private drive to W. R. Quisenberry farm; 3 ft S. and 22 ft E. of center of 15-in cedar tree; 15 ft E. of center of wooden gate; in concrete post; standard tablet stamped "TT 28 EV 911 1950" 910.991

Reference mark; 197 ft E. of tablet; on N. headwall of culvert; chiseled square 903.98

Becknerville, 0.2 mi E. of general store; 115 ft E. of intersection of Water Works Road with Colby Station Road N.; 14 ft S. of center of Water Works Road; 8 ft W. of corner post of T-fence S.; 2 ft N. and 11 ft E. of center of wooden gate; in concrete post; standard tablet stamped "TT 27 EV 938 1950" 937.995

Reference mark; 31 ft NW. of tablet; in base on S. side of 6-in. hackberry tree; rail spike 937.88

/Jogs into Lexington quadrangle/

Pine Grove, 2.5 mi SW. of; 3.0 mi N. of Athens along Cleveland Road; 60 ft N. and 20 ft E. of rd crossing; 25 ft N. of corner fence and gate post; 20 ft N. of powerline pole; 18 ft W. of right-of-way fence; in concrete post; standard tablet stamped "36 WR 964 1950" 963.702

<u>LINE 2. (Cont'd)</u>	<u>Feet</u>
Reference mark, 95 ft SE. of tablet; on N. headwall of stone culvert; chiseled square	962.36
Athen, 180 ft E. of NE. corner of Boone Creek Baptist Church; 30 ft N. and 30 ft W. of center of hwy. at driveway to church; 147 ft SW. of center of concrete bridge; 20 ft NW. of N. headwall of culvert under driveway to church; in concrete post; standard tablet stamped "37 WR 910 1950" (Tied by NGS, 1963)	910.251
Reference mark, 55 ft SE. of tablet; on S. headwall of small concrete culvert; chiseled square	911.83
Lexington, 11.0 mi SE. of, along Lexington-Richmond rd.; 264 ft S. of intersection of Cleveland rd.; 3 ft W. of right-of-way; in concrete post; Kentucky Geodetic Survey standard disk stamped "216" (Tied by NGS, 1962)	979.781
<u>LINE 3.</u>	
By A. D. Pretzer, 1950; Book AV 150	
Edenton; 800 ft N. of post office, along State Highway 595; 31 ft N. and 20 ft W. of, and 4.0 ft higher than centerline of hwy. at junction of T-rd. W.; 20 ft N. and 2 ft W. of fence corner; in concrete post; standard tablet stamped "33 ADP 1950 966 TT"	966.328
Reference mark; 160 ft N. of tablet; 14 ft W. of center of rd.; in E. side of locust tree; RR. spike	962.78
Edenton, 2.4 mi N. of, along State Highway 595; at N. end of rd.; 240 ft S. of Kentucky River; 12 ft E. of, and 2.0 ft lower than centerline of rd.; 24 ft E. of large elm tree and thorn tree; 2 ft N. of concrete hwy. marker; in concrete post; standard tablet stamped "34 ADP 1950 567 TT"	567.290
Reference mark; 70 ft N. of tablet; in E. side of locust tree; RR. spike	561.92
<u>/Jogs into Nicholasville quadrangle/</u>	
Crisman Mill, 1.9 mi N. of, along macadam rd. at Logana; 250 ft N. of store; 33 ft N. and 48 ft E. of, and 2 ft lower than crossroads; 34 ft E. and 1 ft N. of fence corner; in concrete post; standard tablet stamped "37 ADP 1950 880"	880.431
Reference mark; 90 ft W. of tablet; on top of S. headwall of concrete bridge; chiseled square	880.39
"34 WR 1950 985" (Described in line 1)	984.697

VALLEY VIEW QUADRANGLE

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LINE 4.

Feet

By G. Baird, 1950; Book AV 148

"C 39 1935" (NGS) 798.758

Redhouse, 3.8 mi S. of, thence 0.4 mi E.; on S. end of W. abutment
on bridge; chiseled square 787.54

Phase 67 by: Bert Housman
4/1945

144-22-105
DARD'S
ARD, FRANKFORT, KENTUCKY
ON REQUEST



NE/4 VALLEY VIEW 15° QUADRANGLE
N3752.5-W8415/7.5

1952

ROAD CLASSIFICATION
Heavy-duty..... = Light-duty.....
Medium-duty..... = Unimproved.....

U. S. Route

State Route

FORD, KY 5½

FORD, KY

(CALLED GONE
IN
3120101
2 DIFFERENT ELEVATIONS)

Bonesbarry 4 State
Cato Ford

4/14/65

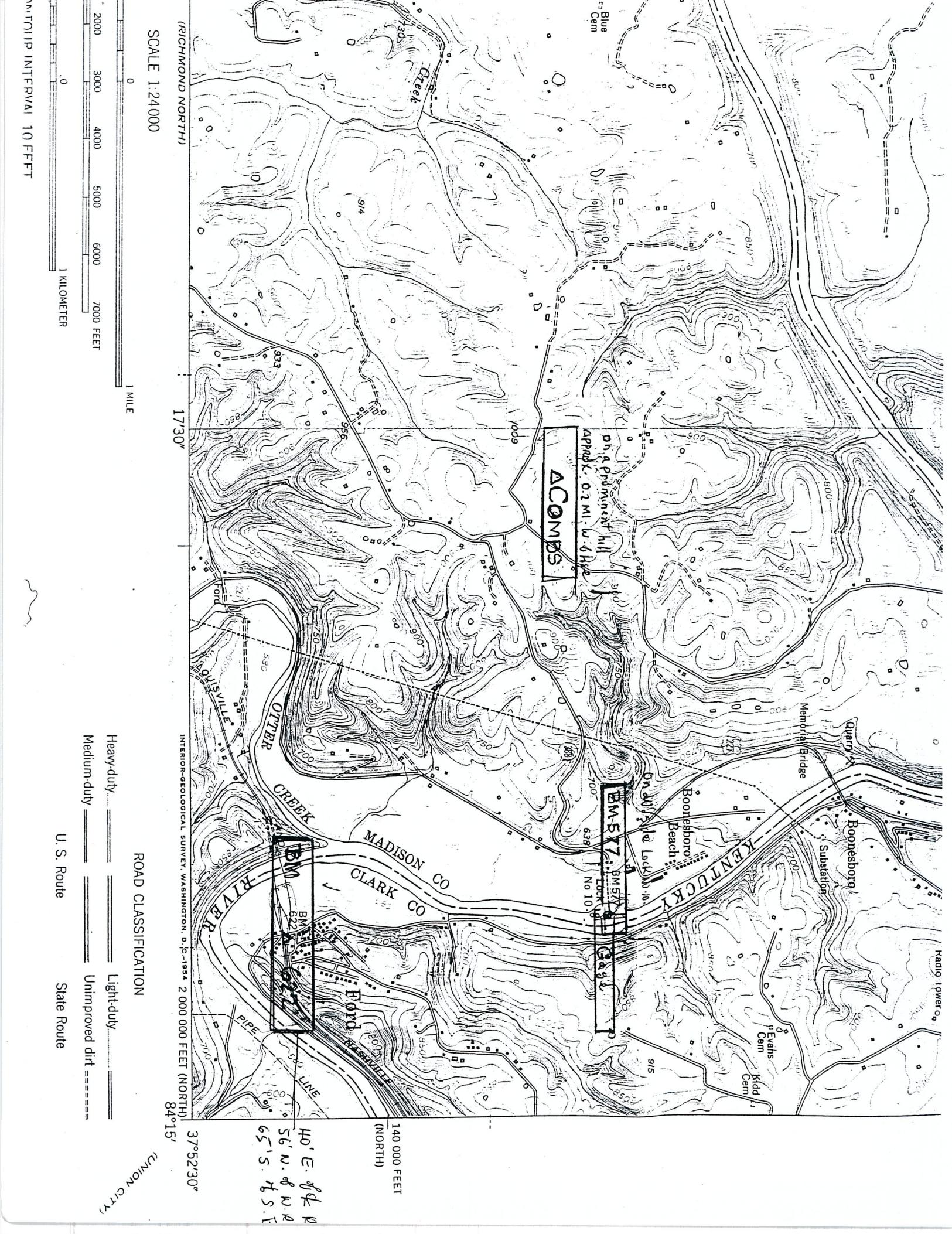
65

Gaging Station at lock No. 10.
While staff Gages are usually
not shown, this Gage was
Plotted at the request of
Surface water Branch, W.R.D.
USCS, Louisville, Ky.
84°15' 37°32'30"

See Map of Park. ACT.
Lock 9
FORD-HAMPTON
El. 550.6 Ky River Datum
El. 548.7 MSL of 1929
use 1929 datum
(North)
use 1929

LOCK 10
FORD-HAMPTON
El. 550.6 Ky River Datum
El. 548.7 MSL of 1929
use 1929 datum
(North)
use 1929

Normal Foot Elevations
KENTUCKY RIVER
See Map of Park. ACT.



HORIZONTAL CONTROL
NORTH AMERICAN DATUM OF 1927

37-084-14
VALLEY VIEW QUADRANGLE
144 KENTUCKY
N3745-W8415/15
DIAGRAM NJ 16-9
WINCHESTER

Clark, Fayette, Jessamine,
and Madison Counties

Edition of 10/27/76

PR: CRV/rm

Plane coordinates are based on Lambert
projection, Kentucky, North and South Zones

Only the permanent marks are
listed for control classified
obsolete and are not shown on
sketch

LEXINGTON
(167)

NICHOLASVILLE
(145)

WINCHESTER
(143)

Becknerville

Boonsboro

Athens

Stringtown

BEREA
(120)

37°45'

8415'

DISCLAIMER

We no longer attest to the validity of the positions listed for horizontal control established by transit traverse procedures. This control is now considered OBSOLETE and is included in this list for the purpose of identification only.

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VALLEY VIEW QUADRANGLE

37-084-14
N3745-W8415/15

INDEX OF PERMANENT MARKS

MARK (BSGS)

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TT 27 EV 1950 938	3
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TT 30 EV 1950	3
TT 31 EV 1950	3
TT 32 EV 1950	4
34 WR 1950 985 TT	5

NGS AND STATE SURVEY

125 1934	4
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NGS

Z 38 1935 615.009	3
A 39 1935 653.198	3
C 39 1935 798.758	4
D 39 1935 838.027	4

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VALLEY VIEW QUADRANGLE

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STATION	DESCRIPTION	LATITUDE	LONGITUDE
	PLANE COORDINATES, FEET	° ′ "	° ′ "

The following positions are considered OBsolete. To be used only to locate permanent marks in the field.

By C. A. Turner, 1927; Books C7962-65

Tebbs, 0.4 mi E. of station, along Chesapeake and Ohio Railroad; 42 ft N. and 10 ft W. of center of overhead bridge directly above track; in SE. corner of garden; in concrete post; standard tablet stamped "TT STA NO 6 T 1927" (Not found, 1952)

Ky. N.)	X = 1,992,190	Y = 181,214	37 59 51.46	84 16 37.56
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By J. A. Evans, 1950; Book AH 168

Becknerville, 0.2 mi E. of general store; 14 ft S. and 115 ft E. of centerline of Water Works Road at junction of Colby Station Road N.; 8 ft W. of corner post of fenceline S.; 2 ft N. and 11 ft E. of center of wooden gate; in concrete post; standard tablet stamped "TT 27 EV 1950 938"

X = 1,992,303	Y = 169,569	37 57 56.34	84 16 36.11
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Becknerville, 1.9 mi SE. of general store, along Water Works Road; 2.0 mi NW. of Forest Grove; 15 ft N. of centerline of rd.; 12 ft E. of centerline of private drive to W. R. Quisenberry Farm; 15 ft E. of center of wooden gate; 3 ft S. and 22 ft E. of center of 15-in. cedar tree; in concrete post; standard tablet stamped "TT 28 EV 1950 911"

X = 1,998,964	Y = 165,559	37 57 16.71	84 15 12.93
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Ford; 500 ft W. of Louisville and Nashville Railroad water tank; 40 ft NW. of NW. rail of northbound track; 34 ft NE. of centerline of rd.; 5 ft S. of pole supporting cable crossing tracks; 18 ft N. and 103 ft W. of NW. corner of RR. tool shed; 3 ft N. and 4 ft E. of telephone pole; in concrete post; standard tablet stamped "TT 30 EV 1950"

X = 1,996,871	Y = 138,206	37 52 46.29	84 15 39.02
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Boonsboro; 72 ft NE. of centerline of U. S. Highway 227 at L. & N. RR. crossing; 45 ft E. of E. rail of northbound main track; 69 ft N. of N. end of concrete headwall of culvert in front of store; 7 ft E. of E. corner of RR. telephone booth; 6 ft ESE. of telephone pole; in concrete post; NGS standard disk stamped "Z 38 1935 615.009"

X = 1,992,148	Y = 134,669	37 52 11.32	84 16 37.92
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Boonsboro, 2.0 mi SE. of station, along L. & N. RR.; 6 ft W. of, and 2.0 ft lower than W. rail of track; in W. end of S. abutment of RR. bridge over creek; NGS standard disk stamped "A 39 1935 653.198"

X = 1,997,858	Y = 127,163	37 50 57.12	84 15 26.71
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Richmond, 5.7 mi N. of courthouse, along U. S. Highway 227; at Redhouse; 44 ft W. of centerline of hwy.; 77 ft SSW. of SW. corner of L. & N. RR. overpass; 27 ft N. and 18 ft E. of NE. corner of Methodist Church; 3 ft S. and 1 ft W. of fence corner; in concrete post; standard tablet stamped "TT 31 EV 1950"

X = 1,993,394	Y = 119,739	37 49 43.72	84 16 22.33
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VALLEY VIEW QUADRANGLE

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STATION	DESCRIPTION	LATITUDE	LONGITUDE
	PLANE COORDINATES, FEET	° ′ "	° ′ "

OBSOLETE MARKS (Cont'd.)

Richmond, 2.8 mi N. of station, along L. & N. RR.; 450 ft S. of two-story frame house; 105 ft S. of centerline of U. S. Highway 227; 45 ft N. of, and 4.0 ft lower than N. rail of track; 54 ft NW. of NW. end of pipe culvert; 2 ft S. of pole; in concrete post; NGS standard disk stamped "C 39 1935 798.758"

Ky. S.) X = 1,992,989 Y = 103,151 37 46 59.73 84 16 27.33

Richmond, 2.1 mi N. of station, along L. & N. RR.; 0.2 mi N. of overhead crossing; 7 ft E. of, and 1.0 ft lower than E. rail of track; in E. end of N. abutment of RR. bridge; NGS standard disk stamped "D 39 1935 838.027"

X = 1,990,667 Y = 099,754 37 46 26.14 84 16 56.23

Nicholasville, 3.5 mi NE. of, along State Highway 169, thence 2.5 mi NE.; 300 ft N. of residence of Mr. McConathy; at curve in rd.; 20 ft N. of large elm tree; 3 ft E. of W. right-of-way fence; in concrete post; NGS and State Survey standard disk stamped "I25 1934"

Ky. N.) X = 1,929,629 Y = 154,665 37 55 28.09 84 29 38.21

Crisman Mill, 1.9 mi NE. of, along macadam rd.; at Logana; 33 ft S. and 48 ft E. of, and 2.0 ft lower than centerline of crossroads; 250 ft N. of store; 1 ft N. and 34 ft E. of fence corner; in concrete post; standard tablet stamped "37 ADP 1950 880 TT"

X = 1,931,606 Y = 132,948 37 51 53.45 84 29 12.84

Edenton, 2.4 mi N. of, along State Highway 595; at N. end of rd.; 240 ft S. of Kentucky River; 12 ft E. of, and 2.0 ft lower than centerline of rd.; 24 ft E. of large elm tree and thorn tree; 2 ft N. of concrete hwy. marker; in concrete post; standard tablet stamped "34 ADP 1950 567 TT"

X = 1,932,584 Y = 108,674 37 47 53.50 84 28 59.88

Edenton; 800 ft N. of post office, along State Highway 595; 31 ft N. and 20 ft W. of, and 4.0 ft higher than centerline of hwy. at junction of T-rd. W.; 20 ft N. and 2 ft W. of fence corner; in concrete post; standard tablet stamped "33 ADP 1950 966 TT"

X = 1,932,137 Y = 097,332 37 46 01.36 84 29 05.09

MARKS TIED BY NGS

By J. A. Evans, 1950; Book AH 168

Richmond, 4.5 mi N. of courthouse, along U.S. Highway 227; 1.3 mi S. of Methodist Church in Redhouse; 300 ft SW. of farmhouse of Carl Comley; 9 ft S. and 23 ft E. of centerline of hwy. at junction of private graveled rd. NE.; 4 ft S. and 2 ft W. of post at S. end of gate; 2 ft W. of right-of-way fence; in concrete post; standard tablet stamped "TT 32 EV 1950" (Reported destroyed, 1965)

X = 1,994,490.96 Y = 112,263.10 37 48 29.818 84 16 08.642

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VALLEY VIEW QUADRANGLE

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5

STATION	DESCRIPTION	LATITUDE	LONGITUDE
	PLANE COORDINATES, FEET	° ' "	° ' "

MARKS TIED BY NGS (Cont'd.)

Spears, 2.3 mi NW. of, along State Highway 169; 35 ft NW. of centerline of hwy. at junction of rd. S. to Logana;
45 ft NW. of NW. corner of farmhouse; 20 ft SE. of powerline junction pole; 3 ft SW. of fence; in concrete post;
standard tablet stamped "34 WR 1950 985 TT"

X = 1,936,239.83 Y = 140,561.00

37 53 08.821

84 28 15.288